

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P888262

Luminaire Tested: **DPT5-6FO55-37V60-A-XX-UDD\_2700K**

Issue Date: 10/24/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P888262  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (DEFINE LENGTH SCALING TOOL)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 10/24/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: DPT5-6FO55-37V60-A-XX-UDD\_2700K  
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

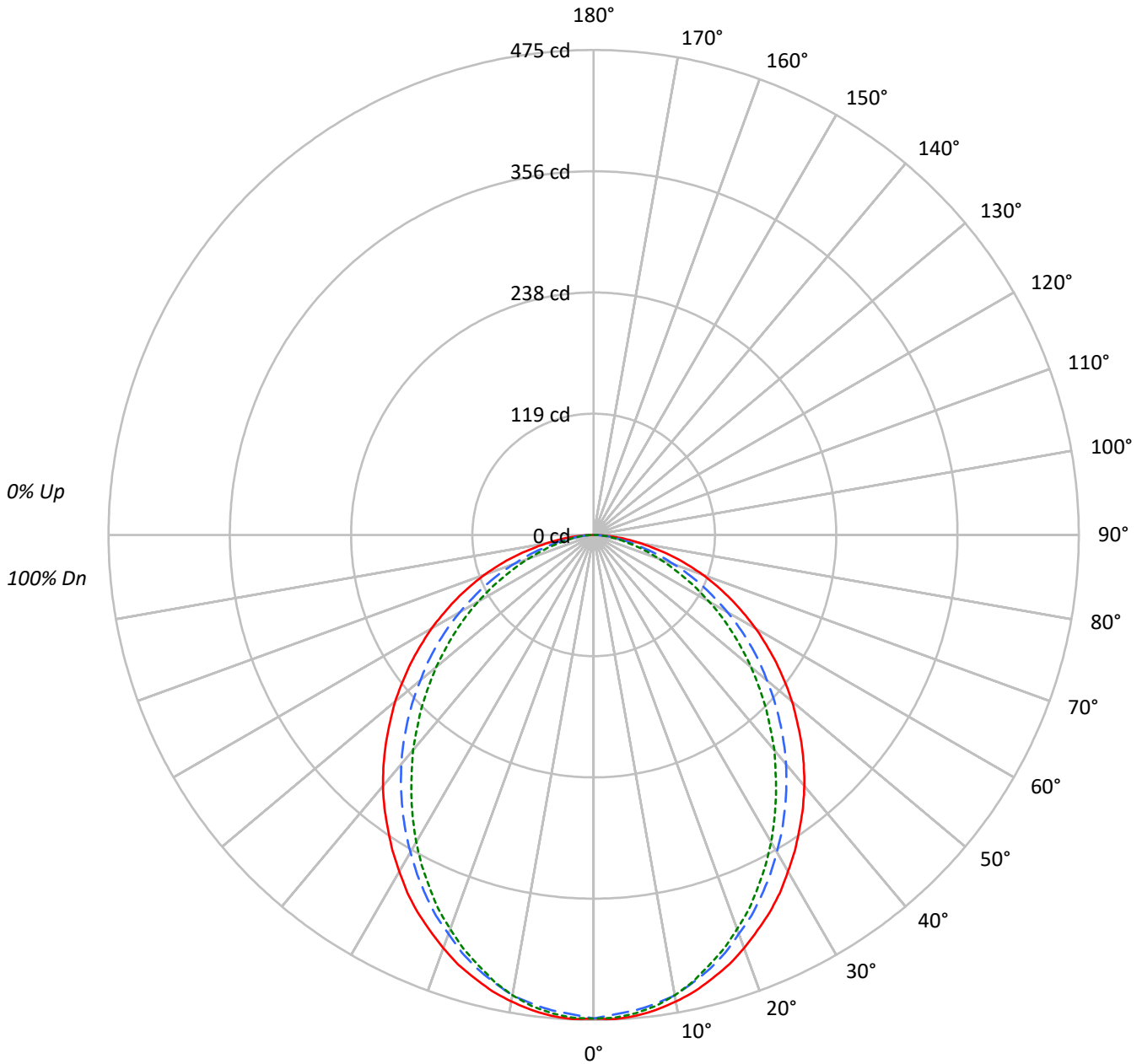
Lumens per Lamp: N/A  
Luminaire Lumens: 1119.0 lumens  
Efficiency: N/A  
Efficacy: 85.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')  
CIE Type: Direct

Input Watts (W): 13.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	98	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61																			
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36																			
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33																			
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29																			
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3025	3025	3025
5°	3032	2997	3015
10°	3009	2969	2969
15°	2973	2908	2885
20°	2927	2825	2791
25°	2874	2743	2682
30°	2807	2646	2562
35°	2739	2546	2426
40°	2675	2443	2293
45°	2597	2326	2149
50°	2520	2200	1998
55°	2429	2080	1837
60°	2339	1932	1663
65°	2233	1763	1464
70°	2112	1548	1262
75°	1942	1308	1051
80°	1710	1026	883
85°	1436	843	784



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.6	4.0
10°-20°	124.6	11.1
20°-30°	180.6	16.1
30°-40°	205.8	18.4
40°-50°	200.6	17.9
50°-60°	168.8	15.1
60°-70°	118.3	10.6
70°-80°	60.6	5.4
80°-90°	15.1	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	349.8	31.3
0°-40°	555.6	49.6
0°-60°	925.0	82.7
0°-90°	1119.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1119.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	474	474	474	474	474	
5°	473	472	468	471	470	45
15°	450	448	440	440	436	127
25°	408	402	389	384	381	188
35°	351	343	327	316	311	220
45°	288	277	258	243	238	222
55°	218	207	187	171	165	195
65°	148	136	117	102	97	146
75°	79	68	53	45	43	83
85°	20	13	12	11	11	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	473.7	473.7	473.7	473.7	473.7
2.5°	474.7	473.7	470.1	473.7	473.3
5°	472.9	471.5	467.5	471.1	470.3
7.5°	469.3	467.9	463.2	466.1	465.4
10°	464.0	462.9	457.9	459.0	457.9
12.5°	457.9	456.4	449.2	450.0	448.2
15°	449.7	447.5	439.9	439.6	436.4
17.5°	441.1	437.9	428.9	427.1	424.6
20°	430.7	427.1	415.7	413.9	410.7
22.5°	419.2	415.7	403.6	399.6	397.0
25°	407.8	402.4	389.2	384.5	380.6
27.5°	395.0	388.4	374.5	368.5	364.6
30°	380.6	373.9	358.8	350.6	347.4
32.5°	366.6	358.5	343.1	333.8	329.5
35°	351.3	342.7	326.6	316.3	311.2
37.5°	336.6	326.2	309.8	297.7	292.6
40°	320.9	310.1	293.0	279.4	275.1
42.5°	304.4	293.3	275.4	262.6	255.7
45°	287.6	277.3	257.5	243.3	237.9
47.5°	270.0	259.4	239.6	225.0	218.9
50°	253.6	241.8	221.4	206.4	201.1
52.5°	235.7	223.6	204.6	188.1	182.7
55°	218.2	206.8	186.8	170.7	165.0
57.5°	200.3	188.1	168.9	153.1	148.1
60°	183.1	170.7	151.3	135.6	130.2
62.5°	165.0	153.1	133.4	119.1	113.7
65°	147.8	135.6	116.7	102.3	96.9
67.5°	130.5	118.4	100.1	86.6	82.3
70°	113.1	100.9	82.9	71.9	67.6
72.5°	95.9	84.1	67.6	57.6	55.1
75°	78.7	67.9	53.0	45.1	42.6
77.5°	61.1	52.6	40.0	34.0	31.9
80°	46.5	38.0	27.9	24.7	24.0
82.5°	32.2	24.7	18.6	17.5	17.2
85°	19.6	13.2	11.5	11.1	10.7
87.5°	8.3	5.7	5.4	5.4	5.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)